ARIZONA DEPARTMENT OF WATER RESOURCES
SURFACE WATER MANAGEMENT DIVISION
Dam Safety Section

CHECKLIST OF ITEMS REQUIRED FOR A COMPLETE APPLICATION

Name of Dam: _____ Owner of Dam: _____

Application No._____ Date Filed: _____

[Application No. and Date Filed to be filled in by Arizona Department of Water Resources]

Instructions

This checklist is primarily applicable to significant and high hazard potential dams in accordance with A.A.C. R12-15-1208(A)(2), 1215 and 1216. All items and/or the designated level of design detail may not be required for all applications, including those for low and very low hazard potential dams in accordance with A.A.C. R12-15-1207(D), 1209, 1210, 1211, 1215 and 1216.

This guide identifying items required for a complete application has been prepared to facilitate the applicant's understanding of the process. Any omissions or errors do not relieve the applicant from complying with applicable sections of Arizona Revised Statutes Title 45-Waters, Chapter 6 and Arizona Administrative Code Title 12–Natural Resources, Chapter 15–Department of Water Resources. The Director may require additional information, beyond the items delineated in this checklist, in accordance with A.R.S. 45-1203(E) and 1206(A).

Complete the following checklist by indicating to the left that the item has been included, and to the right its location(s) within the application documents. If a checklist item does not apply, indicate **N/A** and provide a supporting discussion. The checklist will be provided electronically via e-mail upon the applicant's request.

Example

✔ **Surface Water Diversion Plan - Details of the plan for control or diversion of surface water during construction, if required.** **See Page 7 and Appendix C of the design report & Section 1036 of the specifications**

I. GENERAL ITEMS

_____ Application Form – Complete and submitted in duplicate.
[Ref. ARS 45-1203(B), 1206(A); AAC R12-15-1208(A)(1), 1209(E), 1210(A)(1), 1210(B)(1), 1211(A)(1)]

_____ Fee –The fee must be based upon the total estimated project cost associated with construction of the dam and appurtenant works. Preliminary investigations and surveys, engineering design, supervision of construction and any other engineering costs shall be included in the project construction costs (refer to "Instructions for Filing an Application").
[Ref. ARS 45-1204; AAC R12-15-151(B)(11), 1208(A)(3), 1210(A)(2),

1210(B)(2), 1211(A)(4)]

_____ Two Sets (minimum) of Construction Drawings
[Ref. ARS 45-1203(A), 1206(A); AAC R12-15-1208(A)(5), 1209(E)(1), 1210(A)(6), 1211(A)(6), 1215(1)]

_____ Two Sets (minimum) of Construction Specifications
[Ref. ARS 45-1203(A), 1206(A); AAC R12-15-1208(A)(6), 1210(A)(7), 1215(2)]

_____ Two Design Reports (minimum)
[Ref. AAC R12-15-1208(A)(7), 1210(A)(8), 1215(3)]

_____ Two Sets (minimum) of Construction Quality Assurance (CQA) Plan
[Ref. AAC R12-15-1208(A)(8), 1210(A)(9), 1212(C), 1215(2)(e)]

_____ Two Sets (minimum) of Evidence of Financial Capability – Consists of a long-term budget plan and evidence of financing, prepared using customary accounting principles, that demonstrate that the applicant has the financial capability to construct, operate, and maintain the dam in a safe manner.
[Ref. AAC R12-15-1208(A)(10)]

_____ Two Sets (minimum) of the Construction Schedule
[Ref. ARS 45-1203(E), 1206(A)]

_____ Two Sets (minimum) of the Emergency Action Plan, Operation and Maintenance Plan, and Instrumentation Plan – These documents, if not ready for submittal with the application filling, may be submitted during construction.
[Ref. ARS 45-1203(E); AAC R12-15-1208(B), 1217, 1221]

_____ Drawings, Specifications, CQA Plan and Design Report Sealed by P.E. – The drawings, specifications, CQA Plan, and design reports (each of which are described in detail below) must be prepared by a professional engineer registered in Arizona to a level of detail appropriate for construction. The design engineer must be experienced in the design and construction of dams. The engineer's seal and signature must appear on all drawings, specifications, and engineering reports and conform with the requirements of the Arizona State Board of Technical Registration. A preliminary review set of drawings submitted with the application may also be stamped “preliminary” and/or “not for construction” in accordance with the rules of the Arizona State Board of Technical Registration.

[Ref. R4-304; AAC R12-15-1215(1)(a), 1215(2)(a), 1215(3)(a)]

II. CONSTRUCTION DRAWINGS

Drawings should be prepared on conventional drafting material such that clear, legible prints can be obtained. Drawings must clearly present all details and dimensions required to construct the dam in accordance with the engineers design. Submittal of blue or black line prints or mylar for final approval will be satisfactory. The following drawings should be included. List additional drawings in this section if applicable to the design. [Ref. AAC R12-15-1208(A)(5), 1209(E)(1), 1209(F)(1), 1210(A)(6), 1211(A)(4), 1215(1)]

_____ Dam Safety Section Approval Block – In preparing the drawings, each sheet should contain the normal title block in the lower right hand corner as well as a space 1¾" high x 4" wide in proximity to the lower right hand corner for the Department's approval stamp.

_____ Topographic Map - A topographic map(s) of the dam, spillway, outlet works and reservoir on a scale large enough to accurately locate the dam and appurtenances, indicate cut and fill lines, and show property lines and ownership status of the land. Elevations must be to a national datum base such as mean sea level, rather than an assumed elevation. Contour intervals must be compatible with the height and size of the dam and its appurtenances as required to provide adequate design and construction details. Horizontal control must be in accordance with the State coordinate system and/or per latitude and longitude.
[Ref. AAC R12-15-1215(1)(b)]

_____ Reservoir Area and Capacity Curves – The area-capacity curves shall reflect area in acres and capacity in acre-feet in relation to depth of water and elevation in the reservoir. The spillway invert and top of dam elevations must be shown. The reservoir volume/space functional allocations must also be shown. Alternate scales may be included as required for the owner's use.
[(Ref. AAC R12-15-1215(1)(c)]

_____ Spillway and Outlet Works Rating Curves and Tables - The spillway rating curve must be at a scale or scales which allow determination of discharge rate (cfs) at both low and high flows as measured by depth of water passing over the control section.
[Ref. AAC R12-15-1215(1)(d)]

_____ Location Map - A location map showing the dam footprint and all exploration drill holes, test pits, trenches, adits, borrow areas and bench marks with elevations, reference points and permanent ties. This map shall use the same vertical and horizontal control as the "topographic map".
[Ref. AAC R12-15-1215(1)(e)]

_____ Geologic Information – Geologic information including geologic map(s), profile along the centerline, and other pertinent cross sections of the dam site, spillway(s) and appurtenant structures, aggregate and material sources, and reservoir area at scale(s) compatible with the site and geologic complexity, showing logs of exploration drill holes, test pits, trenches, and adits.
[Ref. AAC R12-15-1215(1)(f)]

_____ Dam Plan – Plan(s) of the dam to adequately delineate design and construction details.
[Ref. AAC R12-15-1215(1)(g)]

_____ Foundation Profile - A foundation profile along the dam centerline at a true scale (vertical=horizontal) showing the existing ground and proposed finished grade (cut and fill) elevations, including anticipated geologic formations. Include any proposed grout and drain holes.
[Ref. AAC R12-15-1215(1)(h)]

_____ Dam Profiles and Sections - A profile and a sufficient number of cross-sections of the dam to delineate design and construction details. Camber, crest details, interior filters and drains, and other zone details must be shown and dimensioned. The profile of the dam may be drawn to different horizontal and vertical scales if required for detail. A maximum section of the dam shall be included; it must be drawn to a true scale (vertical = horizontal). The outlet conduit may be shown on the maximum section if this is typical of the proposed construction.
[Ref. AAC R12-15-1215(1)(i)]

_____ Foundation Plan – Foundation plan(s) showing excavation grades and cut slopes with any proposed foundation preparation, grout and drain holes, and foundation dewatering requirements.
[Ref. AAC R12-15-1215(1)(j)]

_____ Outlet Works – A plan, profile, and details of the outlet works, including the intake structure, the gate system, conduit, trashrack, filter diaphragm, concrete encasement, and the downstream outlet structure. Include all connection and structural design details.
[Ref. AAC R12-15-1215(1)(k)]

_____ Spillway - A plan, profile, control section, and cross sections of the spillway. Include details of any foundation preparation, grouting or concrete work that is planned. A complex control structure, a concrete chute or an energy dissipating device for a terminal structure will require both hydraulic and structural design details.
[Ref. AAC R12-15-1215(1)(l)]

_____ Drainage Area – Hydrologic data, drainage area and flood routing criteria.
[Ref. AAC R12-15-1215(1)(m)]

III. CONSTRUCTION SPECIFICATIONS

The specifications must include a detailed description of the work to be performed and a statement of the requirements for the various types of material and installation techniques that will enter into the permanent construction. Of particular importance are those sections describing foundation preparation, placement of materials, and material testing. Specifications must be complete and not cross referenced to specifications in other documents. As a minimum, the following specifications should be included when applicable to the design. List additional specifications applicable to the design in this checklist. [Ref. AAC R12-15-1208(A)(6), 1210(A)(7), 1211(A)(3), 1215(2)]

_____ Earthwork Specification – Include all earth and rock material descriptions, placement criteria, and construction requirements for all elements of the dam and related structures.
[Ref. AAC R12-15-1215(2)(f)(i)]

_____ Concrete, Grout and Shotcrete Specifications – Include all concrete, grout and shotcrete material descriptions, placement and consolidation criteria, temperature controls, and construction requirements for all elements of the dam and related structures.
[Ref. AAC R12-15-1215(2)(f)(ii)]

_____ Foundation Specification – Include acceptable material criteria and testing, cleaning, and treatment. If foundation or curtain grouting is required, include the type of grout, grouting method, special equipment, recording during grouting, and foundation monitoring to avoid disturbance from grouting.
[Ref. AAC R12-15-1215(2)(f)(iii)]

_____ Materials Testing – Include in each specification all materials testing to be performed by the contractor for pre-qualification of materials for use and acceptance of materials as constructed in place in accordance with specifications. Include all required special performance testing such as water pressure tests in conduits.
[Ref. AAC R12-15-1215(2)(f)(iv)]

_____ Control of Stream During Construction - A plan for control or diversion of surface water during construction. The frequency of storm runoff to be controlled during construction may be determined by the design engineer commensurate with the risk of economic loss during construction.
[Ref. AAC R12-15-1215(2)(f)(v)]

_____ Blasting – Criteria for blast monitoring and acceptable blast vibration levels (particle velocities), monitoring equipment, and monitoring locations must be included for the dam and other vibration sensitive structures and equipment.
[Ref. AAC R12-15-1215(2)(f)(vi)]

_____ Instrumentation – Include material descriptions, placement criteria, and construction requirements. Instrumentation should be required to be installed by experienced speciality subcontractors.
[Ref. AAC R12-15-1215(2)(f)(vii)]

_____

Additional Specification: _____

_____

_____ Additional Specification: _____

_____

IV. DESIGN REPORT

A design report is required for all dams and appurtenant structures. The report should include a discussion and definition of the engineering consideration and conclusions incorporated in the design. The report must also include copies of pertinent calculations as appendices. As a minimum, the following sections should be included in the design report when applicable to the design. List additional sections applicable to the design report in this checklist. [Ref. AAC R12-15-1208(A)(7), 1210(A)(8), 1215(3)]

_____ Classification – The classification under R12-15-1206 of the proposed dam, or for the proposed enlargement of an existing dam and reservoir. [Ref. AAC R12-15-1215(3)(b)]

_____ Hydrology – Hydrologic considerations, including calculations and a summary table of data used in determining the required emergency spillway capacity and freeboard, and design of any diversion or detention structures. Input and output listings (both hard copy and on diskette) of any computer programs used must be included. Include calculations for wave runup and wave setup in the reservoir as well as estimated sedimentation rates.
[Ref. AAC R12-15-1215(3)(c)]

_____ Hydraulics - Hydraulic characteristics, engineering data, and calculations used in determining the capacities of the outlet works and emergency spillway. Input and output listings (both hard copy and on diskette) of any computer programs used must be included. Technical references must support any complex hydraulic designs.
[Ref. AAC R12-15-1215(3)(d)]

_____ Geotechnical Investigation – Geotechnical investigation and testing of the dam site and reservoir basin. Results and analysis of subsurface investigations including logs of test borings and geologic cross sections.
[Ref. AAC R12-15-1215(3)(e)]

_____ Blasting Plan – Guidelines and criteria for blasting to be used by the contractor in preparing the blasting plan.
[Ref. AAC R12-15-1215(3)(f)]

_____ Surface Water Diversion Plan - Details of the plan for control or diversion of surface water during construction. Include a discussion for

the basis for selection of the frequency of storm runoff to be controlled during construction.
[Ref. AAC R12-15-1215(3)(g)]

_____ Dewatering Plan – Details of the dewatering plan for subsurface water during construction.
[Ref. AAC R12-15-1215(3)(h)]

_____ Materials Information – Testing results of earth and rock materials, including the location of test pits and the logs of these pits. Strength test results must be plotted and the strengths selected for use in stability analyses shown.
[Ref. AAC R12-15-1215(3)(i)]

_____ Grout Design – Discussion and design of the foundation grouting, grout curtain, and grout cap based on foundation stability and seepage considerations.
[Ref. AAC R12-15-1215(3)(j)]

_____ Reinforced Concrete Design – Calculations and basic assumptions on loads and limiting stresses for reinforced concrete design. Input and output listings (both hard copy and on diskette) of any computer programs used should be included.
[Ref. AAC R12-15-1215(3)(k)]

_____ Stability Analysis – A discussion and stability analysis of the dam including appropriate seismic loading, safety factors and embankment zone strength characteristics. Analyses must include both short term and long term loading on upstream and downstream slopes. Input and output listings (both hard copy and on diskette) of any computer programs used should be included. Plots of critical failure surfaces as well as the zones and phreatic surface used in the analyses must be shown on the critical cross section of the embankment.
[Ref. AAC R12-15-1215(3)(l)]

_____ Seismicity – The seismicity of the project area and activity of faults in the vicinity must be discussed. Both deterministic and statistical methods must be utilized and the appropriate seismic coefficient identified for use in analyses.
[Ref. AAC R12-15-1215(3)(m)]

_____ Cutoff Trench Design - Discussion and design of the cutoff trench based on seepage and/or other considerations.
[Ref. AAC R12-15-1215(3)(n)]

_____ Seepage – Permeability characteristics of foundation and dam embankment materials, including calculations for seepage quantities through the dam, the foundation, and anticipated in the internal drain system. Input and output listings (both hard copy and on diskette) of any computer programs used should be included. Copies of flow nets, if utilized, must be included.

[Ref. AAC R12-15-1215(3)(o)]

_____ Internal Drainage – Discussion and design of internal drainage based on seepage quantity calculations. Include instrumentation necessary to monitor the drainage system, and filter design calculations for protection against piping of foundation and embankment materials.
[Ref. AAC R12-15-1215(3)(p)]

_____ Erosion Protection – Erosion protection against waves and rainfall runoff must be provided for both the upstream and downstream slopes, as appropriate.
[Ref. AAC R12-15-1215(3)(q)]

_____ Dam Foundation Treatment and Abutment Contact Design, and Spillway Foundation Design - Discussion and design of foundation treatment to adequately compensate for geological weakness in the dam foundation and abutment areas, and in the spillway foundation area.
[Ref. AAC R12-15-1215(3)(r)]

_____ Post-construction Vertical and Horizontal Movement Systems
[Ref. AAC R12-15-1215(3)(s)]

_____ Foundation Conditions – Discussion of foundation conditions including the potential for subsidence, fissures, dispersives soils, collapsable soils, and sink holes.
Ref. AAC R12-15-1215(3)(t)]

_____ Additional Report Section: _____

_____ Additional Report Section: _____

V. CONSTRUCTION QUALITY ASSURANCE (CQA) PLAN

A Construction Quality Assurance (CQA) Plan is required for all dams and appurtenant structures. A statement of the designer's requirement with regard to construction testing frequencies, foundation preparation guidelines, etc. must be included in the CQA Plan to facilitate the construction in conformance with the plans and specifications. As a minimum, the CQA Plan should include the following sections:
[Ref. AAC R12-15-1208(A)(8), 1209(E)(3), 1210(A)(9), 1212, 1213]

_____ Delineation of Responsibilities and Authority – The responsibilities and lines of authority of the organizations involved in the construction of the dam must be described. The role of pre-construction, progress, and

problem or work deficiency meetings should be discussed.
[Ref. AAC R12-15-1212(A)]

_____ Third Party Testing – The CQA Plan should detail the responsibilities of third party (independent of the contractor) field and laboratory testing by a registered engineer for all elements of the dam and related structures.
[Ref. AAC R12-15-1212(B)]

_____ Statement of Qualifications – The CQA Plan should identify the training and experience of the CQA personnel, field supervisors, and engineer of record. This information should document their ability to fulfill their assigned roles.
[Ref. AAC R12-15-1212(C)]

_____ Inspection and Testing Activities - The CQA Plan should specify the inspection, testing, and sampling activities to be implemented for all elements of dam construction. The CQA Plan should identify key inspection items that require the Department's approval.
[Ref. AAC R12-15-1212(A), 1212(D), 1212(G)]

_____ Acceptance and Rejection Criteria - The acceptance or rejection criteria for inspection and testing activities should be clearly stated. The CQA Plan should describe procedures for documenting corrective measures, and design changes that require prior approval by the Department.
[Ref. AAC R12-15-1212(E), 1212(F)]

_____ Documentation Requirements - The CQA Plan should include requirements for the submittals of as-built drawings and a completion report which are required prior to the issuance of a license.
[Ref. AAC R12-15-1213]

VI. CONSTRUCTION SCHEDULE

_____ Construction Schedule - A statement of the anticipated sequence and duration of construction operations must be filed in duplicate with the application.
[Ref. A.R.S. 45-1203(E)]

VII. OPERATION AND MAINTENANCE (O&M) PLAN

An Operation and Maintenance (O&M) Plan must be prepared for all dams and their appurtenant structures. The O&M Plan must specify the frequency of inspections and maintenance of the dam and appurtenant structures. The frequency for exercising any mechanical or electrical equipment or systems must also be specified. Equipment must be exercised and inspected at least once each year. The frequency of inspections for submerged facilities such as intake structures or outlet pipes must also be specified. More frequent inspections and operation may be required depending on the size of the dam or reservoir, hazard classification, or condition of the dam. The O&M Plan must specifically address the following:
[Ref. A.R.S. 45-1212; AAC R12-15-1205(D), 1208(B)]

_____ Dam Structure (Earth & Rockfill) – Settlement, slides, depressions,

misalignment, cracking (transverse and longitudinal), burrowing animals, erosion, seepage, and adequacy of slope protection.

_____ Dam Structure (Concrete & Masonry) – Cracking, spalling, scaling, joint displacement or offsets, foundation and abutment contacts displacement or offset, seepage, and adverse vegetation.

_____ Metal Surfaces – Corrosion, deficient protective coatings, misaligned or split seams. Includes gates, stairs and ladders, handrails, pipe, drainage culverts, instrumentation pipes or hardware, drainage culverts, bridges, etc.

_____ Spillways – Spillway control structures (gates, concrete sills, flash boards, etc.), approach channels, main channels, stilling basins, and energy dissipators.

_____ Outlet Works – Includes buildings or structures that inclose the outlet works, and submerged facilities such as intake structures.

_____ Downstream Channel Areas – Sloughing, eroding or backcutting, obstructions, adequacy of erosion protection, and tailwater and flow conditions.

_____ Reservoir Rim Area – Areas susceptible to slides or major rock falls that could result in overtopping of the dam or significant releases.

_____ Site Security – Fencing, surveillance cameras, security patrols, etc.

_____ Instrumentation – Description of the instrumentation system(s) that is part of the performance monitoring system for the dam and all appurtenant structures. The O&M Plan must clearly separate instruments and reading frequencies for the following conditions: (a)during construction, (b) immediately following completion of construction, (c) until initial reservoir fill is completed, and (d) long term monitoring. Vertical and horizontal movement monitoring of the dam must be performed, as a minimum. The design, construction, and geological conditions of the dam

may require other instrumentation, such as monitoring wells, piezometers, inclinometers, pressure cells, extensometers, crack monitors, seepage or drainage monitors, and strong motion (seismograph).

_____ Log Book - A log book must be maintained for the life of the dam. The log book must be part of the dam's permanent records and must be used to document each inspection, maintenance work performed, and record of equipment operation (exercising). Each entry in the log book must include the date, a description of the inspection, operation or maintenance work done, and shall be signed by the responsible person. Dates when instrumentation readings are taken and person taking readings must be recorded in the log book.

_____ Annual Report – The owner or operator providing an annual report to ADWR Dam Safety Section must list all inspections made, maintenance work performed, instrumentation data collected, and dates of same. The report must include an interpretation of the instrumentation data by a person qualified to evaluate the data of the dam's performance. The report must include the significance of the instrumentation data and a discussion of planned maintenance or repairs at the dam.

_____ Photographic Record - The owner or operator maintaining complete photographic record of sufficient detail that would typically show the extent of cracks in concrete, erosion of embankments, or condition of metal parts. Photos must be taken on a five-year interval (minimum) and must be maintained for the life of the dam. A complete set of the photos (minimum 3 1/2 x 5 inches in size) must be provided to ADWR when taken and included as part of the annual report for that year.

VIII. EMERGENCY ACTION PLAN (EAP)

Dams classified as having "High" or "Significant" downstream hazard potential must file an Emergency Action Plan including a dam breach inundation map. The EAP must be filed in duplicate, and at a minimum, include the following elements:
[Ref. AAC R12-15-1221]

_____ Notification Flow Chart – The EAP should include a chart showing the hierarchy for notification in an emergency situation, including priority of notifications. Notifications should included local emergency response agencies, affected downstream populations, county emergency management agencies, and affected flood control districts.
[(Ref. AAC R12-15-1221(A)(1)]

_____ Statement of Purpose – The EAP must describe the project and scope of the EAP.
[Ref. AAC R12-15-1221(A)(2)]

_____ Emergency Detection, Evaluation and Action - The EAP must delineate the type of potential unsafe conditions, evaluation procedures, and triggering events that require the initiation of partial or full emergency notification procedures based on the urgency of the situation.
[Ref. AAC R12-15-1221(A)(3)]

_____ Responsibilities – The EAP should delineate areas of responsibility, particularly the owners, to ensure effective and timely action. The individuals responsible for notifications and declaring an emergency must be clearly identified.
[Ref. AAC R12-15-1221(A)(4)]

_____ Notification Procedures – The EAP should be specific for each emergency situation that is anticipated.
[Ref. AAC R12-15-1221(A)(5)]

_____ Preparedness - The EAP should identify emergency supplies and resources, equipment access to the site, and alternative means of communication. The EAP should also identify specific preparedness activities required such as annual full or partial mock exercises and updates of the EAP.
[Ref. AAC R12-15-1221(A)(6)]

_____ Inundation Map – An inundation map should show the area that would be subject to flooding due to spillway flows and dam failure.
[Ref. AAC R12-15-1221(A)(7)]

IX. OTHER PERMITS

It is not unusual that additional permits from this and/or other government agencies may also be required before construction may commence. Several other permits are described below. It is the responsibility of the owner to obtain all permits required for construction.

_____ State Trust Land - If the dam is to be constructed on, any materials for the dam to be borrowed from, or the reservoir will inundate State Trust Land, contact the State Land Department at (602) 542-4621 for details of their requirements.

_____ Federal Land - If the dam is to be constructed on, any materials for the dam are to be borrowed from, or the reservoir will inundate federal land, contact the appropriate federal agency for details of their requirements.

_____ Water Rights - If surface waters are to be impounded, contact the Arizona Department of Water Resources, Surface Water Unit at (602) 417-2442 for details.

_____ Corps 404 Permit – Any significant work in or affecting a stream may require a "404 Permit". Contact the U.S. Army, Corps of Engineers for details.

_____ Corps 401 Certification - A 401 Certification from ADEQ is required before a 404 Permit can be obtained to ensure that federal activities do not violate state water quality standards.

_____ Geotechnical Exploration Holes, Monitoring and Piezometers Wells - Certain types of drilled holes require permits and/or must be abandoned in accordance with prescribed procedures. For details, contact the Arizona Department of Water Resources, Groundwater Management Support Section at (602) 417-2470.

_____ Dewatering Wells – If dewatering of the dam foundation is required, contact the Arizona Department of Water Resources, Groundwater Management Support Section at (602) 417-2470.

_____ Floodplain Management - Any activity in a floodplain requires a floodplain use permit from the local flood control district. Any structure which will divert, retard or obstruct the flow of water will require an in-depth review by a flood control district before issuance of the permit. Removal of a dam will also require an in-depth review. Contact the local flood control district.

_____ Archaeological Clearance - Any activity which involves ground disturbance requires prior clearance regarding cultural resources sensitivity and treatment from the State Historic Preservation Officer. Contact the Arizona State Parks at (602) 542-4174.